FIGURE 1

```
   1  ACCCACGCGC AGCGGCCGGA GATGCAGCGG GGCGCCGCGC TGTGCCTGCG ACTGTGGCTC
  61  TGCCTGGGAC TCCTGGACGG CCTGGTGAGT GACTACTCCA TGACCCCCCC GACCTTGAAC
 121  ATCACGGAGG AGTCACACGT CATCGACACC GGTGACAGCC TGTCCATCTC CTGCAGGGGA
 181  CAGCACCCCC TCGAGTGGGC TTGGCCAGGA GCTCAGGAGG CGCCAGCCAC CGGAGACAAG
 241  GACAGCGAGG ACACGGGGGT GGTGCGAGAC TGCGAGGGCA CAGACGCCAG GCCCTACTGC
 301  AAGGTGTTGC TGCTGCACGA GGTACATGCC AACGACACAG GCAGCTACGT CTGCTACTAC
 361  AAGTACATCA AGGCACGCAT CGAGGGCACC ACGGCCGCCA GCTCCTACGT GTTCGTGAGA
 421  GACTTTGAGC AGCCATTCAT CAACAAGCCT GACACGCTCT TGGTCAACAG GAAGGACGCC
 481  ATGTGGGTGC CCTGTCTGGT GTCCATCCCC GGCCTCAATG TCACGCTGCG CTCGCAAAGC
 541  TCGGTGCTGT GGCCAGACGG GCAGGAGGTG GTGTGGGATG ACCGGCGGGG CATGCTCGTG
 601  TCCACGCCAC TGCTGCACGA TGCCCTGTAC CTGCAGTGCG AGACCACCTG GGGAGACCAG
 661  GACTTCCTTT CCAACCCCTT CCTGGTGCAC ATCACAGGCA ACGAGCTCTA TGACATCCAG
 721  CTGTTGCCCA GGAAGTCGCT GGAGCTGCTG GTAGGGGAGA AGCTGGTCCT CAACTGCACC
 781  GTGTGGGCTG AGTTTAACTC AGGTGTCACC TTTGACTGGG ACTACCCAGG GAAGCAGGCA
 841  GAGCGGGGTA AGTGGGTGCC CGAGCGACGC TCCCAACAGA CCCACACAGA ACTCTCCAGC
 901  ATCCTGACCA TCCACAACGT CAGCCAGCAC GACCTGGGCT CGTATGTGTG CAAGGCCAAC
 961  AACGGCATCC AGCGATTTCG GGAGAGCACC GAGGTCATTG TGCATGAAAA TCCCTTCATC
1021  AGCGTCGAGT GGCTCAAAGG ACCCATCCTG GAGGCCACGG CAGGAGACGA GCTGGTGAAG
1081  CTGCCCGTGA AGCTGGCAGC GTACCCCCCG CCCGAGTTCC AGTGGTACAA GGATGGAAAG
1141  GCACTGTCCG GCCGCCACAG TCCACATGCC CTGGTGCTCA AGGAGGTGAC AGAGGCCAGC
1201  ACAGGCACCT ACACCCTCGC CCTGTGGAAC TCCGCTGCTG GCCTGAGGCG CAACATCAGC
1261  CTGGAGCTGG TGGTGAATGT GCCCCCCCAG ATACATGAGA AGGAGGCCTC CTCCCCCAGC
1321  ATCTACTCGC GTCACAGCCG CCAGGCCCTC ACCTGCACGG CCTACGGGGT GCCCCTGCCT
1381  CTCAGCATCC AGTGGCACTG GCGGCCCTGG ACACCCTGCA AGATGTTTGC CCAGCGTAGT
1441  CTCCGGCGGC GGCAGCAGCA AGACCTCATG CCACAGTGCC GTGACTGGAG GGCGGTGACC
1501  ACGCAGGATG CCGTGAACCC CATCGAGAGC CTGGACACCT GGACCGAGTT TGTGGAGGGA
1561  AAGAATAAGA CTGTGAGCAA GCTGGTGATC CAGAATGCCA ACGTGTCTGC CATGTACAAG
1621  TGTGTGGTCT CCAACAAGGT GGGCCAGGAT GAGCGGCTCA TCTACTTCTA TGTGACCACC
1681  ATCCCCGACG GCTTCACCAT CGAATCCAAG CCATCCGAGG AGCTACTAGA GGGCCAGCCG
1741  GTGCTCCTGA GCTGCCAAGC CGACAGCTAC AAGTACGAGC ATCTGCGCTG GTACCGCCTC
1801  AACCTGTCCA CGCTGCACGA TGCGCACGGG AACCCGCTTC TGCTCGACTG CAAGAACGTG
1861  CATCTGTTCG CCACCCCTCT GGCCGCCAGC CTGGAGGAGG TGGCACCTGG GGCGCGCCAC
1921  GCCACGCTCA GCCTGAGTAT CCCCCGCGTC GCGCCCGAGC ACGAGGGCCA CTATGTGTGC
1981  GAAGTGCAAG ACCGGCGCAG CCATGACAAG CACTGCCACA AGAAGTACCT GTCGGTGCAG
2041  GCCCTGGAAG CCCCTCGGCT CACGCAGAAC TTGACCGACC TCCTGGTGAA CGTGAGCGAC
2101  TCGCTGGAGA TGCAGTGCTT GGTGGCCGGA GCGCACGCGC CCAGCATCGT GTGGTACAAA
2161  GACGAGAGGC TGCTGGAGGA AAAGTCTGGA GTCGACTTGG CGGACTCCAA CCAGAAGCTG
2221  AGCATCCAGC GCGTGCGCGA GGAGGATGCG GGACCGTATC TGTGCAGCGT GTGCAGACCC
2281  AAGGGCTGCG TCAACTCCTC CGCCAGCGTG GCCGTGGAAG CTCCGAGGA TAAGGGCAGC
2341  ATGGAGATCG TGATCCTTGT CGGTACCGGC GTCATCGCTG TCTTCTTCTG GGTCCTCCTC
2401  CTCCTCATCT TCTGTAACAT GAGGAGGCCG GCCCACGCAG ACATCAAGAC GGGCTACCTG
2461  TCCATCATCA TGGACCCCGG GGAGGTGCCT CTGGAGGAGC AATGCGAATA CCTGTCCTAC
2521  GATGCCAGCC AGTGGGAATT CCCCCGAGAG CGGCTGCACC TGGGGAGAGT GCTCGGCTAC
2581  GGCGCCTTCG GGAAGGTGGT GGAAGCCTCC GCTTTCGGCA TCCACAAGGG CAGCAGCTGT
2641  GACACCGTGG CCGTGAAAAT GCTGAAAGAG GGCGCCACGG CCAGCGAGCA GCGCGCGCTG
2701  ATGTCGGAGC TCAAGATCCT CATTCACATC GGCAACCACC TCAACGTGGT CAACCTCCTC
2761  GGGGCGTGCA CCAAGCCGCA GGGCCCCCTC ATGGTGATCG TGGAGTTCTG CAAGTACGGC
2821  AACCTCTCCA ACTTCCTGCG CGCCAAGCGG GACGCCTTCA GCCCCTGCGC GGAGAAGTCT
2881  CCCGAGCAGC GCGGACGCTT CCGCGCCATG GTGGAGCTCG CCAGGCTGGA TCGGAGGCGG
2941  CCGGGGAGCA GCGACAGGGT CCTCTTCGCG CGGTTCTCGA AGACCGAGGG CGGAGCGAGG
3001  CGGGCTTCTC CAGACCAAGA AGCTGAGGAC CTGTGGCTGA GCCCGCTGAC CATGGAAGAT
3061  CTTGTCTGCT ACAGCTTCCA GGTGGCCAGA GGGATGGAGT TCCTGGCTTC CCGAAAGTGC
3121  ATCCACAGAG ACCTGGCTGC TCGGAACATT CTGCTGTCGG AAAGCGACGT GGTGAAGATC
3181  TGTGACTTTG GCCTTGCCCG GGACATCTAC AAAGACCCCG ACTACGTCCG CAAGGGCAGT
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FIGURE 2A (PAGE 1 OF 2)

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3241 GCCCGGCTGC CCCTGAAGTG GATGGCCCCT GAAAGCATCT TCGACAAGGT GTACACCACG
3301 CAGAGTGACG TGTGGTCCTT TGGGGTGCTT CTCTGGGAGA TCTTCTCTCT GGGGGCCTCC
3361 CCGTACCCTG GGGTGCAGAT CAATGAGGAG TTCTGCCAGC GCGTGAGAGA CGGCACAAGG
3421 ATGAGGGCCC CGGAGCTGGC CACTCCCGCC ATACGCCACA TCATGCTGAA CTGCTGGTCC
3481 GGAGACCCCA AGGCGAGACC TGCATTCTCG GACCTGGTGG AGATCCTGGG GGACCTGCTC
3541 CAGGGCAGGG GCCTGCAAGA GGAAGAGGAG GTCTGCATGG CCCCGCGCAG CTCTCAGAGC
3601 TCAGAAGAGG GCAGCTTCTC GCAGGTGTCC ACCATGGCCC TACACATCGC CCAGGCTGAC
3661 GCTGAGGACA GCCCGCCAAG CCTGCAGCGC CACAGCCTGG CCGCCAGGTA TTACAACTGG
3721 GTGTCCTTTC CCGGGTGCCT GGCCAGAGGG GCTGAGACCC GTGGTTCCTC CAGGATGAAG
3781 ACATTTGAGG AATTCCCCAT GACCCCAACG ACCTACAAAG GCTCTGTGGA CAACCAGACA
3841 GACAGTGGGA TGGTGCTGGC CTCGGAGGAG TTTGAGCAGA TAGAGAGCAG GCATAGACAA
3901 GAAAGCGGCT TCAGCTGTAA AGGACCTGGC CAGAATGTGG CTGTGACCAG GGCACACCCT
3961 GACTCCCAAG GGAGGCGGCG GCGGCCTGAG CGGGGGGCCC GAGGAGGCCA GGTGTTTTAC
4021 AACAGCGAGT ATGGGGAGCT GTCGGAGCCA AGCGAGGAGG ACCACTGCTC CCCGTCTGCC
4081 CGCGTGACTT TCTTCACAGA CAACAGCTAC TAA
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FIGURE 2A (PAGE 2 OF 2)

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1     MQRGAALCLR LWLCLGLLDG LVSGYSMTPP TLNITEESHV IDTGDSLSIS CRGQHPLEWA
61    WPGAQEAPAT GDKDSEDTGV VRDCEGTDAR PYCKVLLLHE VHANDTGSYV CYYKYIKARI
121   EGTTAASSYV FVRDFEQPFI NKPDTLLVNR KDAMWVPCLV SIPGLNVTLR SQSSVLWPDG
181   QEVVWDDRRG MLVSTPLLHD ALYLQCETTW GDQDFLSNPF LVHITGNELY DIQLLPRKSL
241   ELLVGEKLVL NCTVWAEFNS GVTFDWDYPG KQAERGKWVP ERRSQQTHTE LSSILTIHNV
301   SQHDLGSYVC KANNGIQRFR ESTEVIVHEN PFISVEWLKG PILEATAGDE LVKLPVKLAA
361   YPPPEFQWYK DGKALSGRHS PHALVLKEVT EASTGTYTLA LWNSAAGLRR NISLELVVNV
421   PPQIHEKEAS SPSIYSRHSR QALTCTAYGV PLPLSIQWHW RPWTPCKMFA QRSLRRRQQQ
481   DLMPQCRDWR AVTTQDAVNP IESLDTWTEF VEGKNKTVSK LVIQNANVSA MYKCVVSNKV
541   GQDERLIYFY VTTIPDGFTI ESKPSEELLE GQPVLLSCQA DSYKYEHLRW YRLNLSTLHD
601   AHGNPLLLDC KNVHLFATPL AASLEEVAPG ARHATLSLSI PRVAPEHEGH YVCEVQDRRS
661   HDKHCHKKYL SVQALEAPRL TQNLTDLLVN VSDSLEMQCL VAGAHAPSIV WYKDERLLEE
721   KSGVDLADSN QKLSIQRVRE EDAGRYLCSV CNAKGCVNSS ASVAVEGSED KGSMEIVILV
781   GTGVIAVFFW VLLLLIFCNM RRPAHADIKT GYLSIIMDPG EVPLEEQCEY LSYDASQWEF
841   PRERLHLGRV LGYGAFGKVV EASAFGIHKG SSCDTVAVKM LKEGATASEH RALMSELKIL
901   IHIGNHLNVV NLLGACTKPQ GPLMVIVEFC KYGNLSNFLR AKRDAFSPCA EKSPEQRGRF
961   RAMVELARLD RRRPGSSDRV LFARFSKTEG GARRASPDQE AEDLWLSPLT MEDLVCYSFQ
1021  VARGMEFLAS RKCIHRDLAA RNILLSESDV VKICDFGLAR DIYKDPDYVR KGSARLPLKW
1081  MAPESIFDKV YTTQSDVWSF GVLLWEIFSL GASPYPGVQI NEEFCQRLRD GTRMRAPELA
1141  TPAIRRIMLN CWSGDPKARP AFSELVEILG DLLQGRGLQE EEEVCMAPRS SQSSEEGSFS
1201  QVSTMALHIA QADAEDSPPS LQRHSLAARY YNWVSFPGCL ARGAETRGSS RMKTFEEFPM
1261  TPTTYKGSVD NQTDSGMVLA SEEFEQIESR HRQESGFSCK GPGQNVAVTR AHPDSQGRRR
1321  RPERGARGGQ VFYNSEYGEL SEPSEEDHCS PSARVTFFTD NSY
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FIGURE 2B

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1    CGCGGGGTGT TCTGGTGTCC CCCGCCCCGC CTCTCCAAAA AGCTACACCG ACGCGGACCG
61   CGGCGGCGTC CTCCCTCGCC CTCGCTTCAC CTCGCGGGCT CCGAATGCGG GGAGCTCGGA
121  TGTCCGGTTT CCTGTGAGGC TTTTACCTGA CACCCGCCGC CTTTCCCCGG CACTGGCTGG
181  GAGGGCGCCC TGCAAAGTTG GGAACGCGGA GCCCCGGACC CGCTCCCGCC GCCTCCGGCT
241  CGCCCAGGGG GGGTCGCCGG GAGGAGCCCG GGGGAGAGGG ACCAGGAGGG GCCCGCGGCC
301  TCGCAGGGGC GCCCGCGCCC CCACCCCTGC CCCCGCCAGC GGACCGGTCC CCCACCCCCG
361  GTCCTTCCAC CATGCACTTG CTGGGCTTCT TCTCTGTGGC GTGTTCTCTG CTCGCCGCTG
421  CGCTGCTCCC GGGTCCTCGC GAGGCGCCCG CCGCCGCCGC CGCCTTCGAG TCCGGACTCG
481  ACCTCTCGGA CGCGGAGCCC GACGCGGGCG AGGCCACGGC TTATGCAAGC AAAGATCTGG
541  AGGAGCAGTT ACGGTCTGTG TCCAGTGTAG ATGAACTCAT GACTGTACTC TACCCAGAAT
601  ATTGGAAAAT GTACAAGTGT CAGCTAAGGA AAGGAGGCTG GCAACATAAC AGAGAACAGG
661  CCAACCTCAA CTCAAGGACA GAAGAGACTA TAAAATTTGC TGCAGCACAT TATAATACAG
721  AGATCTTGAA AAGTATTGAT AATGAGTGGA GAAAGACTCA ATGCATGCCA CGGGAGGTGT
781  GTATAGATGT GGGGAAGGAG TTTGGAGTCG CGACAAACAC CTTCTTTAAA CCTCCATGTG
841  TGTCCGTCTA CAGATGTGGG GGTTGCTGCA ATAGTGAGGG GCTGCAGTGC ATGAACACCA
901  GCACGAGCTA CCTCAGCAAG ACGTTATTTG AAATTACAGT GCCTCTCTCT CAAGGCCCCA
961  AACCAGTAAC AATCAGTTTT GCCAATCACA CTTCCTGCCG ATGCATGTCT AAACTGGATG
1021 TTTACAGACA AGTTCATTCC ATTATTAGAC GTTCCCTGCC AGCAACACTA CCACAGTGTC
1081 AGGCAGCGAA CAAGACCTGC CCCACCAATT ACATGTGGAA TAATCACATC TGCAGATGCC
1141 TGGCTCAGGA AGATTTTATG TTTTCCTCGG ATGCTGGAGA TGACTCAACA GATGGATTCC
1201 ATGACATCTG TGGACCAAAC AAGGAGCTGG ATGAAGAGAC CTGTCAGTGT GTCTGCAGAG
1261 CGGGGCTTCG GCCTGCCAGC TGTGGACCCC ACAAAGAACT AGACAGAAAC TCATGCCAGT
1321 GTGTCTGTAA AAACAAACTC TTCCCCAGCC AATGTGGGGC CAACCGAGAA TTTGATGAAA
1381 ACACATGCCA GTGTGTATGT AAAAGAACCT GCCCCAGAAA TCAACCCCTA AATCCTGGAA
1441 AATGTGCCTG TGAATGTACA GAAAGTCCAC AGAAATGCTT GTTAAAAGGA AAGAAGTTCC
1501 ACCACCAAAC ATGCAGCTGT TACAGACGGC CATGTACGAA CCGCCAGAAG GCTTGTGAGC
1561 CAGGATTTTC ATATAGTGAA GAAGTGTGTC GTTGTGTCCC TTCATATTGG AAAAGACCAC
1621 AAATGAGCTA AGATTGTACT GTTTTCCAGT TCATCGATTT TCTATTATGG AAAACTGTGT.
1681 TGCCACAGTA GAACTGTCTG TGAACAGAGA GACCCTTGTG GGTCCATGCT AACAAAGACA
1741 AAAGTCTGTC TTTCCTGAAC CATGTGGATA ACTTTACAGA AATGGACTGG AGCTCATCTG
1801 CAAAAGGCCT CTTGTAAAGA CTGGTTTTCT GCCAATGACC AAACAGCCAA GATTTTCCTC
1861 TTGTGATTTC TTTAAAAGAA TGACTATATA ATTTATTTCC ACTAAAAATA TTGTTTCTGC
1921 ATTCATTTTT ATAGCAACAA CAATTGGTAA AACTCACTGT GATCAATATT TTTATATCAT
1981 GCAAATATG TTTAAAATAA AATGAAAATT GTATT
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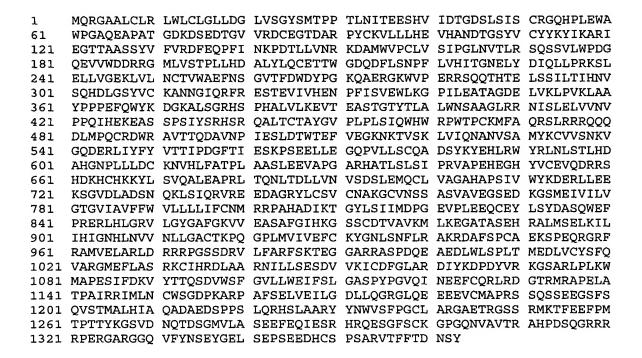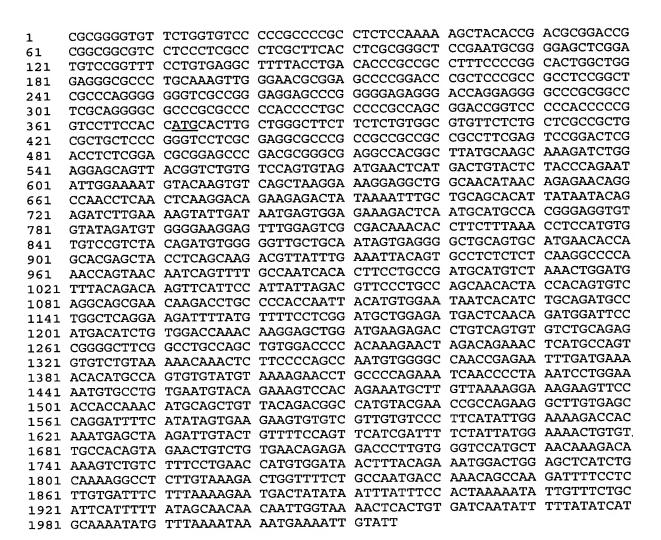
<center>**FIGURE 3A**</center>

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MHLLGFFSVACSLLAAALLPGPREAPAAAAAFESGLDLSDAEPDAGEATAYASKDLEEQLRSVSSVDELM
TVLYPEYWKMYKCQLRKGGWQHNREQANLNSRTEETIKFAAAHYNTEILKSIDNEWRKTQCMPREVCIDV
GKEFGVATNTFFKPPCVSVYRCGGCCNSEGLQCMNTSTSYLSKTLFEITVPLSQGPKPVTISFANHTSCR
CMSKLDVYRQVHSIIRRSLPATLPQCQAANKTCPTNYMWNNHICRCLAQEDFMFSSDAGDDSTDGFHDIC
GPNKELDEETCQCVCRAGLRPASCGPHKELDRNSCQCVCKNKLFPSQCGANREFDENTCQCVCKRTCPRN
QPLNPGKCACECTESPQKCLLKGKKFHHQTCSYRRPCTNRQKACEPGFSYSEEVCRCVPSYWKRPQMS
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<center>**FIGURE 3B**</center>